

## 1. Product and Company Identification

- **PRODUCT NAME:** Radianz® Quartz Surfaces
- **COMPANY:** Samsung SDI
- **EMERGENCY TELEPHONE:** +82-61-689-1114
- **ADDRESS:** 32-2, Gocheon-Dong, Uiwang-Si, Gyeonggi-Do, Korea 437-711

## 2. Composition/information on ingredients

- **CHEMICAL FORMULA:** Not applicable
- **MOLECULAR WEIGHT:** Not applicable
- **DANGER RISK:** Not applicable
- **CAS NUMBER:** 1317 - 65 - 3  
14808 - 60 - 7
- **CE NUMBER:** Not applicable
- **EINECS NUMBER:** Not applicable

Product in composite stone obtained by mixing of quartz granules and/or silica sands bound with polyester resin.

## 3. Identification of Dangers

Avoid inhaling dust generated during fabrication. Inhalation of dust composed of Radianz® may cause irritation to the mucosa. Continued exposure to crystalline silica may cause silicosis, a chronic and progressively debilitating lung disease.

## 4. First Aid Measures

- **SKIN CONTACT:** Normally no effect. May cause dryness of the skin with prolonged contact.
- **EYE CONTACT:** Normally no effect. In case of contact, flush with water. In case of continued pain, consult your medical care provider.
- **INGESTION:** In case of ingestion (see 3, above), immediately rinse the mouth with water and consult your medical care provider.
- **INHALATION:** In case of inhalation (see 3, above), move to an open and well-ventilated area. Consult your medical care provider.

## 5. Fire Safety Measures

- **APPROPRIATE FIRE EXTINGUISHERS:** All fireproof means and materials are suitable.
- **NON-APPROPRIATE EXTINGUISHER, MEANS AND MATERIALS:** None
- **RISK OF COMBUSTION:** Radianz® is a non combustion product.
- **MEANS OF PROTECTION:** None

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*Depending on the user's particular application, all necessary measures must be taken to verify and test the adequacy for such needs or application. Any information or recommendation herein is strictly for purposes of reference and as such, Samsung SDI assumes no responsibility for its suitability or accuracy or the use of such information for products other than Samsung Staron® solid surfaces & Radianz® quartz surfaces.*

## 6. Measures in Case of Accidental Spillage

- **INDIVIDUAL PRECAUTIONS:** Use personal protective equipment.
- **ENVIRONMENTAL PRECAUTIONS:** None
- **CLEANING METHOD:** Use manual or mechanical equipment.

## 7. Manipulation and Storage

- **PRECAUTIONS FOR MANIPULATION :** None
- **PRECAUTIONS FOR STORAGE:** Store in ventilated areas, covered and protected from heat.

## 8. Exposure Controls/Individual Protection

- **TECHNICAL MEASURES :** See 7, above
- **INDIVIDUAL PROTECTION DEVICES (IPD):** Individual protection is required if dust is generated.
  - PROTECTION OF RESPIRATORY SYSTEM: Wear a dust mask.
  - PROTECTION OF HANDS: Wear protective gloves.
  - PROTECTION OF EYES: Wear protective glasses.
  - EPROTECTION OF THE SKIN: None

Operating in a wet environment, combined with the use of ventilation and filtration systems are effective exposure controls.

## 9. Physical and Chemical Properties

- **PHYSICAL STATUS:** Solid
- **FORM:** Not applicable
- **COLOR:** Various
- **ODOR:** None
- **pH:** Not applicable
- **BOILING TEMPERATURE :** Not applicable
- **FUSION TEMPERATURE :** Not applicable
- **FLASH POINT :** Not applicable
- **AUTO-INFLAMMABILITY :** Not applicable
- **COMBURENT PROPERTIES :** Not applicable
- **STEAM PRESSURE :** Not applicable
- **DENSITY AT 20°C :** 2.48 - 2.50 kg/dm<sup>3</sup>
- **SOLUBILITY :** Insoluble in water and in inorganic acid
- **COEFFICIENT N-OCTANE/WATER :** Not applicable

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## 10. Stability and Reactivity

- **CONDITIONS TO AVOID** : None
- **MATERIALS TO AVOID** : None
- **DANGEROUS PRODUCTS OF DECOMPOSITION** : None

## 11. Toxicological Information

- **MEANS OF PENETRATION** :
  - INGESTION : No
  - INHALATION : Yes
  - CONTACT : No
- **ACUTE TOXICITY** : No
- **CHRONIC TOXICITY** : Yes
- **CORROSIVITY / IRRITATION PROPERTIES** :
  - SKIN: None
  - EYES: None
  - RESPIRATORY: Possible chronic effects of long-term exposure - silicosis, pulmonary emphysema.
- **SENSITIVITY PROPERTIES** : Unknown

## 12. Ecological Information

- **MOBILITY** : None
- **PERSISTENCE/DEGRADABILITY** : Not persistent/degradable
- **BIOACCUMULATION** : None
- **ECO-TOXICITY** : None

This product is considered a stable material, non reactive and insoluble. Based on current knowledge, non-ecological problems are hypothesized. Use according to good working procedures, and avoid the dispersal of particulate material into the environment.

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### 13. Consideration of Refuse

- **CONTAINMENT TECHNIQUES** : No requirements
- **CLEANING TECHNIQUES** : Manual removal (shovel, broom, vacuum cleaner)
- **BIOACCUMULATION** : None
- **SCRAP MATERIAL DISPOSAL**: Disposal of fabrication and installation waste materials must be handled in accordance with existing regulations regarding waste materials.
- **Packaging Material Disposal**: Recycle or reuse packing materials (carton and wooden pallets).  
Dispose of external wrapping according to existing regulations.

### 14. Transport Information

- **GROUND** : No specific precautions
- **WATERWAYS** : No specific precautions
- **SEA** : No specific precautions
- **AIR** : No specific precautions

### 15. Regulatory Information

Radianz® is not dangerous as per Italian Decree Law, 3 February 1997 n.52 and relative rules regarding the classification, packaging and labeling of dangerous substances.

### 16. Other information

We hereby certify that the above statements are true and correct in every respect.  
If the statements are not true, all responsibility will belong to Samsung SDI.

Signature/Issued Date:

**Radianz® Quartz Surfaces**  
**SAMSUNG SDI**

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